March 2016
Education Seminar - Die Welding Seminar

Thursday, March 10, 2016
Schoolcraft College VisTaTech Center
18600 Haggerty Hwy, Livonia, MI 48152

AGENDA
5:15-6:00pm – Registration & Meal
6:00-7:30pm – Weld Mold Presentation & Meal
7:30-8:00pm – Q&A
8:00pm – Adjourn

The 2016 March Technical event will be one of our Educational Series Nights. The seminar will focus on Tool and Die Welding which includes hard facing. Tools steels are a special category of steels and this company focuses on this area.

David Lee, the Technical Director of Weld Mold Company will be our featured speaker. This seminar counts toward your Professional Development Hours (PDH). Forms and more information regarding PDH are available on the national website.

David Lee started his career as a welder with Weld Mold Company 25 years ago, and has been employed in that capacity since then, having spent 11 years at Federal Forge/ Bharat Forge America. He once again found his way back to Weld Mold Company in 2010.

He has spent the last 25 years informally studying forging die and forging die component failure, including everything from lubricants used in forging to impression failure by design.

The responsibilities as Technical Director at Weld Mold allow him to perform welding characteristics testing, chemistry analysis of base metals and weld deposits, as well as, involvement in new product development and equipment design. He has also been called upon to analyze procedural failure in large fabrications, make material recommendations and write procedures. David has travelled extensively here and abroad for on-site consultation, program analysis and training.

Charge: There is a $20 REFUNDABLE deposit to hold your place at this event. You will receive a refund when you sign in at the event.

RSVP required by Monday, March 7, 2016. Please contact John Sutter for reservations – the seminar will be limited to 40 people. Email: johnsutter@comcast.net
Well it’s March and spring is just around the corner. It’s been a pretty mild winter and we have plenty planned for the upcoming months.

The most important date coming up is April 1st. No, this is no joke. We will be giving away a record amount of scholarship money this year but you can’t win if you don’t play. Please go to our website and get the application. Fill it out and get the paperwork sent in to our scholarship committee – if you can’t be on time, be early. The reason so many of us dedicate our time to this organization is to ensure its future by involving students and furthering the education opportunities in the welding industry. Our next meeting in March is part of the Education Series and Phil has been working hard to put on a nice lecture for anyone interested in Tool and Die repair. It will be a good technical lecture from Weld-Mold and we will provide a meal as part of attending. Our ability to offer scholarships and do education programs comes from the many activities we offer. The showcase of our events is Ladies Night and this will be our 76th Anniversary. Please see information in the bulletin and consider attending it is a great event to network with others, award employees and just a nice evening out with friends.

Have a great month! Please remind and encourage any students you interact with to fill out a scholarship application. The 2-3 hours of time can be very rewarding.

Wes

Editor’s Notes

Welcome to the March edition of our e-bulletin! I had the chance to join many of you for the February technical meeting (also, our Patrons’ Awards Night) at Valiant in Windsor, Ontario. I was really impressed with how many of you made the trek across the border to participate in a technical night. (I think border patrol may have been a little surprised too – as on our re-entry, all we had to say was, “AWS Meeting at Valiant” and he said with a smile, “Oh, another one.”) It’s great to see that kind of participation. To all the students who made it out, thank you! I hope you learned something new, and had the opportunity to meet some of the other members. Remember, every person you meet through these events could be a potential employer, supplier, or even an employee, someday.

We have all sorts of events coming up in the next few months that you may want to join in on. We have an educational event on March 10th that takes the place of our monthly tech night. Scholarship applications are due on April 1st. Our Quiz the Experts event falls on April 11th, where you can come and cheer on your team. Ladies Night is shortly after that on April 30th, and then in May we are already looking at the High School Welding competition.

All of these events are open to anyone - members and non-members alike. Check out our website at www.awsdetroit.org for more information on these events and more.

If you read our e-bulletin and have any comments or suggestions, please feel free to email me. I’m always interested in ways to engage our readers. This also includes if you or your company would like to host one of our technical nights. It’s nice to showcase the local businesses that promote welding and weld engineering.

So until next month...KEEP ON WELDING!  

Robin
Annual AWS Detroit Election

The 2016-2017 AWS Detroit Section Executive Committee Election will be conducted from Friday, April 1 to noon on Friday, April 15. On-line voting will once again be conducted using the AssociationVoting.com service. Their on-line tool makes the voting process secure, easy, and fast. In the first year of on-line voting last year, we experienced a 26% increase in member participation. We are hoping to build on that success this year.

In addition to Officer and Member-at-Large candidate choices, this year’s ballot will include a proposal for revision of the Detroit Section Bylaws (4/22/2014 edition). Two principle proposed Bylaw changes result from AWS National recommendations to recognize the Section’s responsibility to act in accordance with rules governing tax exempt nonprofit 501(c) (3) organizations. Given the opportunity, a number of additional changes have been included to address principally editorial issues. The Executive Committee voted on February 4, 2016 to accept the motion to submit these changes for member ballot.

At approximately 12:01 AM on April 1st, AssociationVoting.com will send a personalized email with voting instructions to member email addresses obtained from the AWS membership database on or about March 15, 2016. The URL provided will take you, at any time day or night, to the voting tool where you enter your last name and member number (provided in the email) to see candidate biographies and Bylaw proposal details before making your confidential selections. A follow-up email reminder will be sent on April 8th to members who have not yet voted. When the vote has ended on April 15, the Detroit Section Teller’s Committee will receive a vote tally summary substantiated with a listing of member voting times.

If you need to update the contact information AWS has on file, please act quickly so the update is reflected in the March monthly report. Changes can be made directly through the www.aws.org website by clicking the MY ACCOUNT tab at the top right corner of the webpage. You can also contact AWS Member services at: 800-443-9353 or 305-443-9353. Updates, or an email address to be used only for the purposes of this ballot, can also be sent to: secretary@awsdetroit.org before April 15th.

We look forward to your participation and feedback. If you have any comments or questions pertaining to this process, please direct them to: secretary@awsdetroit.org or any member of the Executive Committee.

Schoolcraft College
VisTaTech Center
18600 Haggerty Hwy, Livonia, MI 48152

Coming Events

Metallurgy for the Non-Metallurgist
March 1 – 2, 2016
ASM International
ASM Headquarters, Novelty, Ohio, USA

Introduction to Thermal Spray
March 21-22, 2016
ASM International
ASM Headquarters, Novelty, Ohio, USA

Titanium and It’s Alloys
March 21-24, 2016
ASM International
ASM Headquarters, Novelty, Ohio, USA

FABTECH CANADA
March 22-24
Toronto Congress Center, Toronto, Canada

Scholarship Deadline – AWS Detroit
April 1, 2016

Weld Engineering Open House-2016
Ohio State University
April 1, 2016

Quiz the Experts
AWS - Detroit, Central Michigan, Northern Michigan, NW Ohio, Western Michigan, Saginaw Valley, Ferris State Student Chapter
April 11, 2016
Tony M’s Lansing MI
The most reliable, easy-to-use Gun Changer. Ever.

A more reliable fail-safe
A patented “springless” mechanical fail-safe is guaranteed to work, even with loss of air pressure.

A more reliable locking mechanism
7,000 pounds of locking force guarantees that signals pass flawlessly, even with heavy accelerations and payloads.

A more flexible utility solution
Wide choice of modules (power, fluid/oil, signal, and more) with common mounting features for greater flexibility.

With patented advances in the locking mechanism and fail-safe, and new flexible module mounting and integrated robot mounting patterns, we’ve created the most reliable, easy-to-use Welding Gun Changers. Ever.

The QC-210 Welding Gun Changer. The new standard from ATI.

Introducing the Next Generation of Ultralight Power Supplies
RoMan Manufacturing’s Ultralight Power Supplies have thermostat protection, a secondary pick-up coil and are fully encapsulated to ensure long life.

TDC-7367
• Weight: 13.5 Kilograms (30 lbs)
• 600 Volt, 1200 Hz
• 90 KVA @ 50% duty cycle
• Secondary no load DC voltage of 10.5 Volts
• Water-cooled, 75 LPM minimum
• @ 30°C maximum inlet temperature

TDC-7220
• Weight: 7.5 Kilograms (16 lbs)
• 600 Volt, 1000 Hz
• 85 KVA @ 50% duty cycle
• Secondary no load DC voltage of 10.6 Volts
• Water-cooled, 6 LPM minimum
• @ 30°C maximum inlet temperature

Your Single Source For Resistance Welding Value & Support
Dengensha America offers you the most complete line of resistance welding product equipment in the world, including single point projection and spot weld machines, weld guns, automatic nut and bolt feeders and controls with consumables, and spare parts. Training and field service add to our single source support.

Simplicity, reliability and ease of use are only part of our value.

Or Call: 440-439-8081
Ask for Steve Andrussoy
Web: www.dengensha.com

DENGENSHA AMERICA
Engineering Resistance Welding Value
### REGISTRATION

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**ARE YOU INTERESTED IN DONATING A MAJOR RAFFLE PRIZE? ** [CHECK IF YES]

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MGM Hotel rooms can be reserved at (877) 888-2121, ref. “American Welding Society Ladies Night 2016 Room Block”

* Tables (4 Couples) include Corporate / Company recognition

** All Gifts and Prizes are recognized in the Program, the Bulletin, and as awarded

*** This event supports our AWS Scholarship & Educational programs

**** Please contact Tyler Alexander (519) 819-1716  tyler.alexander@cntrline.com with any special dietary requests

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**REGISTRATION / PAYMENT TYPE**

- [ ] CREDIT CARD (online) direct via [www.awsdetroit.org](http://www.awsdetroit.org)
- [ ] NON-WEB CREDIT CARD
  Contact Andre Young (586) 665-3692  andreyoung@kukarobotics.com
- [ ] CHEQUE
  Fill out attached form, make Cheques Payable to AWS Detroit Section and mail to:
  Andre Young, 34209 Grove Drive, Livonia, MI. 48154

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**Questions? Contact Tyler Alexander: (519) 819-1716  tyler.alexander@cntrline.com**
March Hotline

In Memory of
RALPH D. FAGGE, JR.
Past-Chair Detroit Section 1989-1990

Ralph D. Fagge, Jr., Age 81, of The Villages, Florida, passed away on Friday, January 8, 2016. He was a Veteran and Colonel in the U.S. Marine Corps. He was an avid golfer and spent his past time following the stock market. He enjoyed exploring on his computer. He was a member of the Michigan Knights of Olde, a group of Retired Marine Corps Officers. He and Beverly moved to The Villages in 2002. He was a great friend to the AWS. Ralph was co-owner of Grossel Tool which manufactured resistance welding guns. Grossel Tool provided storage and transportation of the gifts that were donated and distributed at Ladies’ Night when it was held at the Ren-Cen. Ralph and his brother, Jerry, owned Warren Alloy, a copper foundry in Warren, MI. It supplied welding alloys, weld gun arms, etc. In lieu of flowers memorials may be made to Trinity Lutheran Church, 17330 S. Hwy 441, Summerfield, FL 34491.

KUKA PULSE Technology
STERLING HEIGHTS, MI and AUGSBURG, Germany, May 26, 2015 /PRNewswire/ - KUKA Systems North America LLC has announced the commercial launch of its new, ground-breaking PULSE carrier conveyance system for automotive car body assembly lines. PULSE, a patent-pending concept developed by KUKA Systems in the US, utilizes linear synchronous motor technology provided by MagneMotion of Devens, MA to move body sections through robotic work stations along assembly lines as joining and other functions are performed.

PULSE technology is extremely fast and flexible – 30% faster than conventional friction-based transfer systems. The speed boost allows for greater use of other process equipment, which in turn allows for a reduction in the footprint of the overall production line. With its solid state linear motors, a PULSE line has fewer wear components – including sensors, connectors and cables – that require maintenance or can fail, causing unscheduled downtime. And it has a major safety advantage, too; it can stop much faster than conventional systems.

A PULSE line can be configured to handle up to four models. It costs much less to add a second model-handling capability than it would with a conventional transfer system. PULSE also has great design flexibility; it can be adapted to the physical conditions at each assembly plant.

KUKA Systems began developing PULSE as an in-house research and development project in 2009. It entered the laboratory testing phase in 2013, and is now being commercialized.

"PULSE offers a very strong business case and we’re sure it will become a preferred technology for our customers in future plant re-toolings", says Kevin J. Laurence, Advanced Engineering Manager at KUKA Systems North America, who came up with the original technology concept.

www.youtube.com/watch?v=9m Kh3hQ DW kY

Fronius presents WeldCube, a new documentation and data analysis system

The new world of documentation and data analysis at Fronius.

Documenting, visualizing, and preparing welding data is increasingly significant in many production operations. To meet this demand, Fronius developed WeldCube, a documentation and data analysis system. WeldCube can connect up to 50 power sources, enabling accurate and continuous data monitoring. As a result, users are able to significantly improve the output and reliability of their production. For more information contact your local sales team!

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www.youtube.com/watch?v=9m Kh3hQ DW kY

T. J. Snow Launches New Used Equipment Website


Visitors are invited to explore the extensive inventory of over 300 used and reconditioned resistance welding machines. The new website was designed with the user experience in mind, with improved navigation and functionality throughout.

Customers can browse machines, search keywords, filter by machine type and access detailed specifications quickly. Filtering is available by type, KVA and voltage. In addition, listings include multiple photos so users can see additional detailed images of the state of the machine. Also, when available, videos are included of the machine in operation.

Used resistance welders can be viewed online in an easy, searchable format, highlighting the quality and variety of used machines offered.

Our extensive inventory of used resistance welders includes portable gun, press spot, seam, rocker arm, projection, bench, three phase, micro, flash-butt, and coil joining machines.

A special “FAST SHIP” category lists machines that are ready for immediate delivery.

Tom Snow, CEO of T. J. Snow Co., added, “We are very proud of the new website and we hope it provides a useful, informative portal for our customers to view T. J. Snow’s large inventory of used resistance welding machinery. Most of our machines are quoted stripped and REMANUFACTURED to like-new condition, complete with a brand new or current model programmable type welder control.”

“Our website does not in any way replace the direct, specialized Applications Engineering advice that we have been known for throughout the industry for over five decades,” Snow said. “But our goal in launching this new website is to provide one more access point and online resource for companies and individuals to learn more about T. J. Snow used resistance welders.”

Continued on next page
March Hotline (continued)
more about our resistance welding solutions and how we help our customers succeed with the process.”

“This is our 53rd year in business and we’ve been remanufacturing used spot welders since the beginning.” Snow commented.

AWS West Michigan invites you to join them for “EXTREMES” in Resistance Welding

From ultra-light to heavy duty, the recent advancements in material science along with the “feverish” drive to reduce vehicle weight in the auto industry has challenged the Resistance Welding manufacturer’s status quo on equipment capabilities.

Join us at our AWS WEST MI, Technical meeting on March 8, 2016, where Don DeCorte, Vice President of RoMan Mfg. Inc. will share some insights on the current “state of the union” in Resistance Welding.

Don has a 35 year background in the RW industry and travels worldwide interacting and working with hundreds of RW equipment manufacturers, end users, and technical committee members in the RW industry. He has done training for over 3,000 people in 21 different countries.

Please join us to get “caught up” on the “Extremes in Resistance Welding.

If you have a hotline item that you would like us to include in our e-bulletin, please contact Robin Michon via email at Robin.Michon@kukanao.com. Our monthly submittal deadline is the 15th of each month for the following month.
Scholarships Galore!

For many years, the AWS-Detroit Section has been committed to supporting education as an integral part of fulfilling our mission statement. The educational activities, we as a section support, include our annual high school welding contest, the biennial Sheet Metal Welding Conference and our scholarship program. As with all things the section accomplishes, it would not be possible were it not for the dedication of our volunteers, the support of our partners in industry, and the various educational organizations and students that all come together and contribute to build a better welding industry for all of us.

For the academic year 2015/16 the section was able to award 32 scholarships totaling $45,500 to candidates from eight different schools. This year, one of those awardees could be you. If you are enrolled in a welding class or are in any other welding program for 2016-2017 for academic school year, you may be eligible for a variety of scholarships. These would include the AWS-Detroit section Scholarships, AWS-Detroit section Named Scholarships, AWS District-11 Scholarships and the AWS-National Foundation Scholarships.

You can find more information about the AWS-Detroit scholarship application process and determine your eligibility at our website www.awsdetroit.org. The application deadline is April 1, 2016. A new feature for this year is an interactive PDF application – I would encourage everyone to take advantage of it. All information concerning the District and National awards can be found at www.aws.org/about/page/scholarships.

As chair of the AWS-Detroit scholarship committee I would encourage everyone to stay committed and focused on your education. The possibilities are bright within our industry, so to anyone who thinks that they may be eligible I would not delay in sending your application. You never know what might happen. I know this because I have been there, the recipient of a $1500 award from the AWS-Cleveland section many years ago (ok, 1993).

Thanks again for your support of our efforts,
Donald F. Maatz, Jr.
Chair - AWS-Detroit scholarship committee

WELDING TRAINING SCHOLARSHIPS
AWS District-11 to provide funds to students seeking welder training through a trade school, community college, or other facility providing welder training programs.

The AWS Welder Training Scholarship is for students seeking welder training in a program up to two years, and cannot be used for credits towards a four-year program. The program supports students attending schools in the state of Michigan and the following counties in the province of Ontario: Essex, Chatham-Kent, and Sarnia-Lambton.

Ten awards, to ten different recipients at $1,000 each, may be made by each District, and are for tuition and fees only. No awards will be paid to the recipients, and will be paid directly to the academic institution by the AWS Foundation. An interactive application form is available on the AWS Detroit Section website www.awsdetroit.org.

The AWS Welder Training Scholarships will be available year round (January 1-December 31) until the District awards the designated $10,000 for the year. Applications should be sent to:
AWS Foundation
8669 NW 36 Street, #130
Miami, FL 33166

WELDING SCHOLARSHIPS for POST SECONDARY TRAINING, ASSOCIATE OR BACHELOR DEGREE in WELDING ENGINEERING, WELDING ENGINEERING TECHNOLOGY or RELATED FIELDS with WELDING CONTENT

For students pursuing Post-secondary training or an Associate/Bachelor Degree in Welding Engineering or Welding Engineering Technology. These scholarships provide money to be used for the student’s tuition, books, or lab fees for one year. To be eligible for these scholarships, you must be enrolled in a certification-based program or two (2) or four (4) year engineering degree program in Welding, Welding Technology, or a related field. The program supports students attending schools in the state of Michigan and the following counties in the province of Ontario: Essex, Chatham-Kent, and Sarnia-Lambton.

An interactive PDF application form (with supplemental instructions) is now available on the AWS Detroit Section website www.awsdetroit.org.
Application deadline for the 2016-17 academic year is April 1, 2016.

Scholarship Committee
AWS Detroit Section
P.O. Box 32952
Detroit, MI 48232-0952

For 2015/16 the section was able to award 32 scholarships totaling $45,500 to students from 8 different schools.
Hello and Welcome, David! Thank you for being our featured member for our March column.

Let’s get this interview started by learning a little bit about you. My name is David Kiilunen, and I work in the product development of welding consumables and welding processes. I’m a VP at Cor-Met and a Metallurgical Engineer. I graduated from Michigan Technological University in 1982.

Quite impressive. Can you tell us a little bit about what you like or enjoy about your position? I like developing a welding consumable and seeing it used successfully. A good example is a project that was brought to us lately. A guy in Australia had a broken crankshaft to an antique engine that was about 900 cubic inches. He asked for a matching alloy to the crankshaft. We made a metal-cored wire of the matching chemistry for him to use. In the process of qualifying the filler metal for properties acceptable such as tensile and ductility we developed a welding procedure and heat treatment that produced a successful repair. This was a project that only involved making one spool of wire but the same process is used when we are developing filler metals for large scale commercial use.

Why did you join AWS? I joined AWS because it provides access to many areas of technical support and access to many customers and suppliers. I am also a member of the A5E committee which is responsible for publishing the filler metal specification for Nickel base filler metals which include AWS A5.11, A5.14, A5.34. There are many committees involved with AWS and I would encourage people to get involved with them if they can. It is a great opportunity to meet, interface with and learn from others in the same field as yourself while contributing to AWS.

Do you have a favorite AWS event? This would have to be the yearly AWS show now known as FabTech. This is an opportunity to see many of our current and potential customers. There is also a lot of short technical presentations on a wide range of topics that involve welding. As well as a chance to see all the latest welding equipment and consumables.

What do you like to do outside of work? Activities such as spending time at our camp, boating, hunting fishing, and yard work at home.

I always ask our interviewees if they have any funny or interesting stories regarding their welding career or education. Do you have anything you’d like to share? I cannot think of anything that I would classify as funny, but I can think of many welding jobs in particular that did not go all that well at the start but by getting input from all involved I always say that we will get it figured out.

Well, what about one of your most memorable moments? We had one particular die welding repair that was the first for us. Our customer found some very large cracks when he was doing the final machining. We had him send the die back and were able to successfully repair the piece. In the process we were able to modify our welding procedure to eliminate this issue in the future. Or, once in developing a new product we were running into some manufacturing issues. One of our guys in manufacturing told me “you are wasting my time and your time working on this wire”….it turned into 400,000 lbs. /year at the peak.

Is there anything near/dear to your heart that you would want to recognize? My wife Nancy and my children.

Have you had any one that mentored you in the welding field? I would have to say that Dennis Koopikka was a very good mentor to me as I was learning many of the aspects of die welding. Dennis had many years of hands on experience in die welding and I was able to learn a lot from him.

How did you get your start in welding? When I was about 12 years old I had the opportunity to build a go-kart at my grandfather’s shop. I would ride the go-kart during the week and the welds would often break. Then, on the next Saturday my father would bring me and the go-kart out to the shop in the back of his truck and I would repair the welds that broke and be ready to go for another week.

What do you see as the biggest challenge for the welding community in the future? I see a lot of opportunities out there. As the service requirements ask for welds that will withstand more pressure, temperature, abrasion, corrosion resistance, higher deposition rates, this will demand new improved alloys, procedures and application methods. All are areas that will provide employment in the welding industry.

What would you tell someone who may be “on the fence” about getting into welding as a career? There are many levels in the welding community. There are jobs and opportunities from unskilled entry level positions, to skilled trades, engineering, sales, robot programming, accounting, management. Many of the fields that we are involved with here at Cor-Met include everything from low alloy fabrication to
February Tech Meeting and Patrons’ Night Recap

The AWS-Detroit section hosted its February Technical meeting at Valiant Machine & Tool Inc. in Windsor, ON, Canada. This meeting was especially unique in that it was a combined event that permitted the AWS Detroit Section, the only AWS section with boundaries that cross an international border, and the Canadian Welding Association (CWA) – Southwestern Ontario Section, to gather in one location and learn how our industries and associations overlap. AWS-Detroit section board member John Sutter and Ian Cross of the CWA were the MC’s for the event. Valiant’s welding technologist, Dr. Weijie Zhang, covered the technical content for the evening with a presentation focused on Aluminum Joining Technologies. This was be followed by a facility tour.

The evening also acknowledged the Patrons of the AWS-Detroit section. For calendar year 2015/16, the 24 companies and individuals that make up the section Patrons were very generous with donations exceeding $10,700.00. All donations to the Detroit-Section Patrons Fund are used solely to fund scholarship activities in the section and the surrounding area. The scholarship awards for the section in 2015/16 exceeded $45,500.

Meet Our Members (continued from page 9)

Would you encourage more schools (both high school and junior high) to encourage more young people to look into technical schools and jobs and not just degreed positions? Sure, this is always the case.

Finally, if you weren’t involved in the welding industry, what would be your dream job? An economist that understood all the effects between companies on a global scale. With the communication now, it is really a small world and when there is a hiccup in some foreign country it can affect us in many ways. I have noticed as I have had the opportunity to travel to many countries and companies around the world that the people are all really the same. Everyone around the world would like to produce the best product at the most profitable price with the least interference from the government.

David, it’s been a pleasure having you as our featured guest this month. Thank you for taking the time to share your experiences and life in the welding and metallurgical fields.
~ Daniel Galiher, AWS Detroit membership

If you’d like to become one of our future “Featured Members,” please contact either Daniel Galiher or Robin Michon and they would be happy to include you in our future bulletins.

Email Dan at galiher.daniel@towerinternational.com
Email Robin at Robin.Michon@kukanao.com
Our group was able to tour the Metalcraft Impression Die, Inc. this past Jan 25. Our students were able to see and try out Flux-core Arc Welding and some Air Carbon Arc Cutting. We toured their company and then the students all got to do some welding on some of their dies. They all enjoyed themselves and we had a total of nineteen students in attendance. Here are some pictures of our meeting.

Thank You, Richard Randall

Student Spotlight: William D. Ford CTC

A couple of our students as they get ready to weld. L to R Jake Longuski and Rick Laurence.

James Bedzyk-holding our banner, Allen Stenman-Owner, Bryan Stenman-Holding Plaque

L to R: Richard Randall, Jake Longuski-Treasure, Ryan Sherman-Secretary, Allen Stenman-Owner, Bryan Stenman-Owner, James Bedzyk, and Danny Thacker-Chairman


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2016 AWS Golf Outing

Save The Date

Click for e-mail notification

Monday
July 25th 2016
The Sheet Metal Welding Conference (SMWC) is the premier technical conference dedicated to bringing experts together to discuss state of the art welding and joining technologies for the automotive, transportation, and light manufacturing industries. SMWC also provides important opportunities for engineers and researchers from manufacturers, suppliers, universities and research institutes to network and meet experts in the field of welding.

SMWC XVII will emphasize recent developments in welding and joining solutions that enable lightweight vehicle design and construction. You are invited to submit technical papers for presentation at this conference.

Topics of interest include, but are not limited to:

- Fusion Welding and Brazing (Resistance, Arc, Laser and others)
- Solid-State Joining
- Mechanical Fastening
- Adhesive Bonding
- Hybrid Joining Methods
- Weld Inspection and Repair
- Welding and Joining Process Simulation
- Vehicle Performance Simulation and Assessment
- Joining of Advanced Steels
- Joining of Lightweight Materials
- Joining of Dissimilar Materials
- Materials and Weldability
- Non-sheet-metal Automotive Joining
- Joining Tooling & Equipment
- Welding Process Monitoring & Control

Note: the conference will be preceded by a one-day workshop on: Design for Welding of Lightweight Vehicle Structures, hosted by AET Integration on 10/18/16

Important Deadlines
- Abstract Submission By April 30, 2016
- Notification of Acceptance By May 22, 2016
- Full Paper Submission By August 31, 2016

Please complete the Author Application Form and submit it along with a 100~300 word paper abstract to smwcpaper@awsdetroit.org by April 30, 2016. If you have any questions related to submission, please contact:

Jerry Gould, Technical Chair
Edison Welding Institute
jgould@ewi.org

Robert Ruokolainen
FCA
robert.ruokolainen@fcagroup.com

The Author Application form is also available via http://www.awsdetroit.org.

A single complimentary admission to the conference is available for each presented paper.
AUTHOR APPLICATION  
for  
SHEET METAL WELDING CONFERENCE XVII  
October 19 – 20, 2016

Complete and email the electronic version of this form together with a technical abstract to smwcpaper@awsdetroit.org.

PLEASE PRINT:

Author / Presenter ____________________________
(If there are additional authors, please submit the above information for each co-author on a separate sheet.)

Company or Organization: ____________________________ Email: ____________________________

Title or Position: ____________________________ Phone: __________________ Fax: __________________

Mailing Address: ____________________________________________________________
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